

PROJECT DESCRIPTION

I. GENERAL

This project involves modifying the exclusive/permisive left turn movements for E.B and W.B U.S 50 to exclusive left turn movements. U.S 50 is assumed to run in a east - west direction.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA six-phase, full-actuated mode, with the US 50 approaches continuing to run concurrently. Exclusive left turn phases shall be provided for both approaches of US 50. The MD 213 approaches shall continue to run as a side street split phase. A pre empton phase for southbound MD 213 shall be maintained. A pre empton phase for east and westbound US 50 shall be maintained.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

The contact persons are as follows:

Mr. Robert Kiel  
Assistant District Engineer - Traffic  
Phone: (410) 810-3240

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Terry Wright  
Assistant District Engineer - Maintenance  
Phone: (410) 810-3250

Mr. Sonny Bailey  
Chief, Sign perations Section  
410-787-7670

Mr. Barry Clothier  
Assistant District Engineer - Utility  
Phone: (410) 810-3274

Mr. Ed Rodenhizer  
Chief, Signal Operations Section  
410-787-7652

EQUIPMENT LIST

A. ITEM NO.	EQUIPMENT TO BE FURNISHED THE SHA DESCRIPTION	UNITS	QUANTITY
9000	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	12

B.	EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR	UNITS	QUANTITY
ITEM NO.	DESCRIPTION		
	None		

WIRING KEY

EL-LOOP WIRE (NO. 14 A.W.G.)  
EXISTING

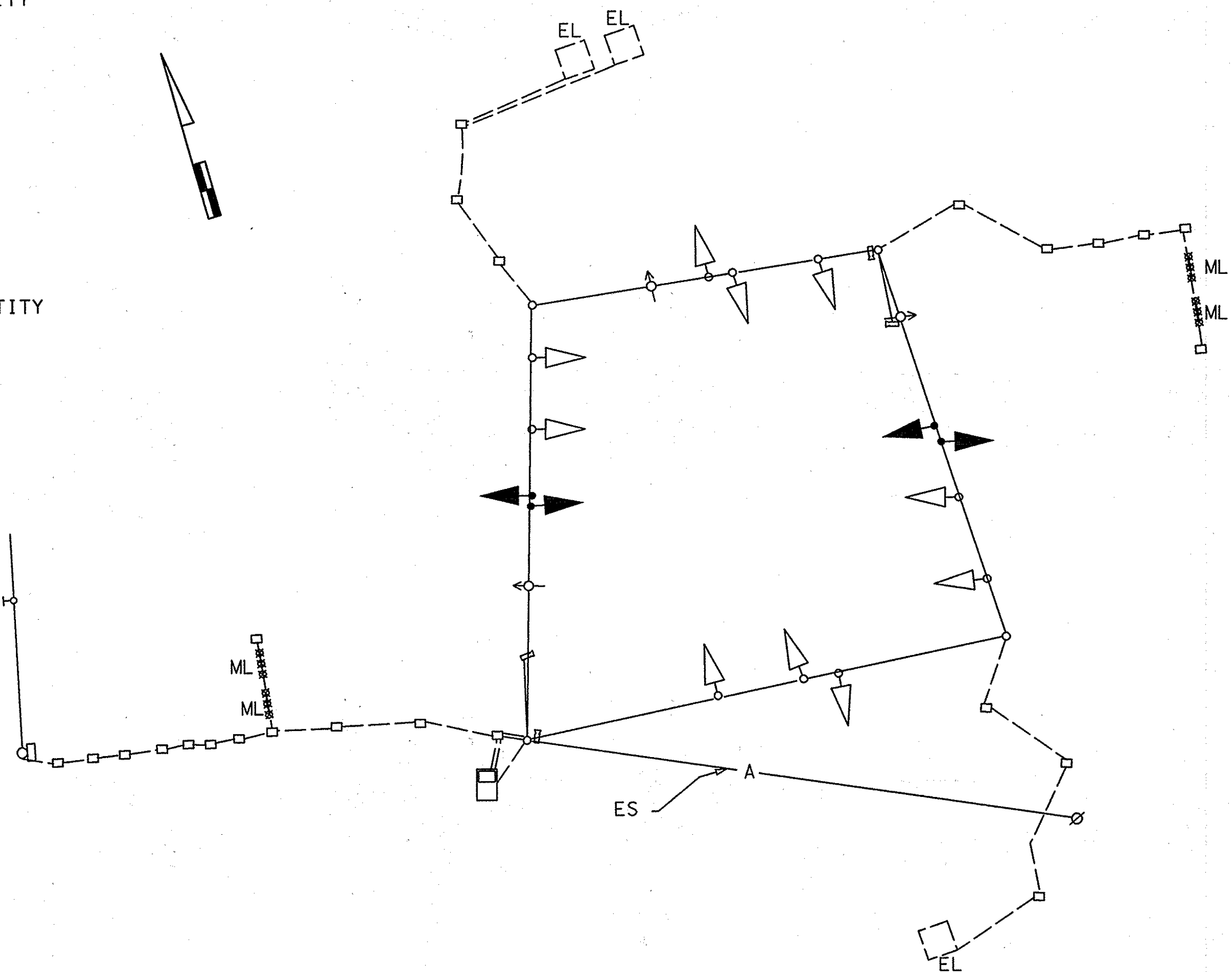
ML-MICRO-LOOP PROBES

ES-EXISTING OVERHEAD SERVICE  
TO BE MAINTAINED BY CONECTIV

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Phase 1 & 5	←G→	←G→	R	R	←G→	←G→	R	R	R	R	R	R	R	R
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6	←G→	←G→	G	G	←R→	←R→	R	R	R	R	R	R	R	R
Phase 1 & 6	←G→	←G→	G	G	←R→	←R→	R	R	R	R	R	R	R	R
1 Change	←Y→	←Y→	G	G	←R→	←R→	R	R	R	R	R	R	R	R
Phase 2 & 5	←R→	←R→	R	R	←G→	←G→	G	G	R	R	R	R	R	R
5 Change	←R→	←R→	R	R	←Y→	←Y→	G	G	R	R	R	R	R	R
Phase 2 & 6	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	R	R	R
2 & 6 Change	←R→	←R→	Y	Y	←R→	←R→	Y	Y	R	R	R	R	R	R
Phase 3	←R→	←R→	R	R	←R→	←R→	R	R	←G→	←G→	G	R	R	R
3 Change	←R→	←R→	R	R	←R→	←R→	R	R	Y	Y	Y	R	R	R
Phase 4	←R→	←R→	R	R	←R→	←R→	R	R	R	R	←G→	←G→	G	G
4 Change	←R→	←R→	R	R	←R→	←R→	R	R	R	R	Y	Y	Y	Y
Preempt 1	←R→	←R→	R	R	←R→	←R→	R	R	←G→	←G→	R	R	R	R
Preempt 1 Change	←R→	←R→	R	R	←R→	←R→	R	R	Y	Y	R	R	R	R
Preempt 2	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	R	R	R
Preempt 2 Change	←R→	←R→	Y	Y	←R→	←R→	Y	Y	R	R	R	R	R	R
Flashing Operation	FL/←R→	FL/←R→	FL/Y	FL/Y	FL/←R→	FL/←R→	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION <b>US 50 AT MD 213</b> WYE MILLS, MARYLAND	
SCALE <u>NONE</u> DATE <u>01/30/2008</u> CONTRACT NO. _____	
DESIGNED BY <u>M. A. MEARS</u>	COUNTY <u>QUEEN ANNE'S</u>
DRAWN BY <u>M. A. MEARS</u>	LOGMILE <u>17005017.44</u>
CHECKED BY _____	T.I.M.S. NO. _____
F.A.P. NO. _____	TOD NO. _____
DRAWING NO. <u>141L-G1</u> OF _____	SHEET NO. <u>2</u> OF <u>2</u>

BY: FANUSZEWSKI